Figure 1

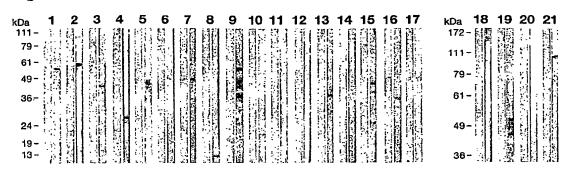


Figure 2

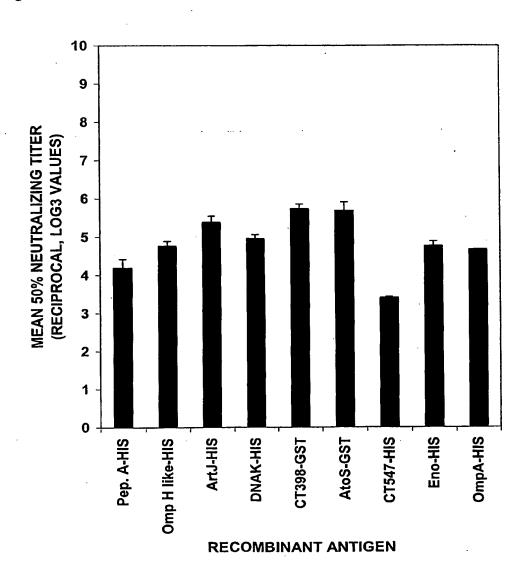
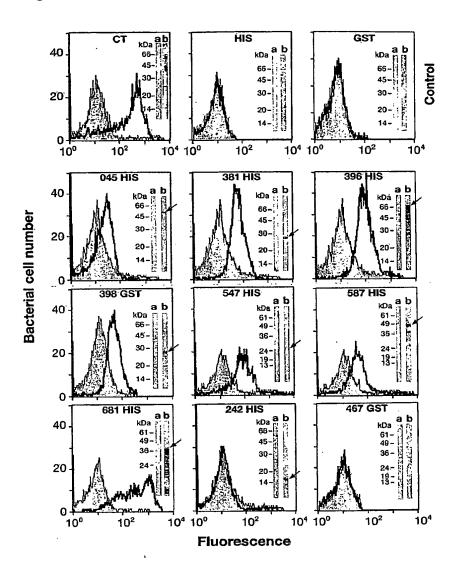


Figure 3



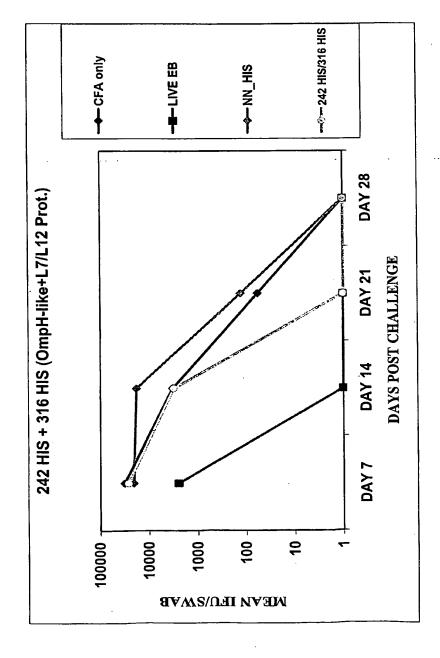


Figure 4

Figure 5

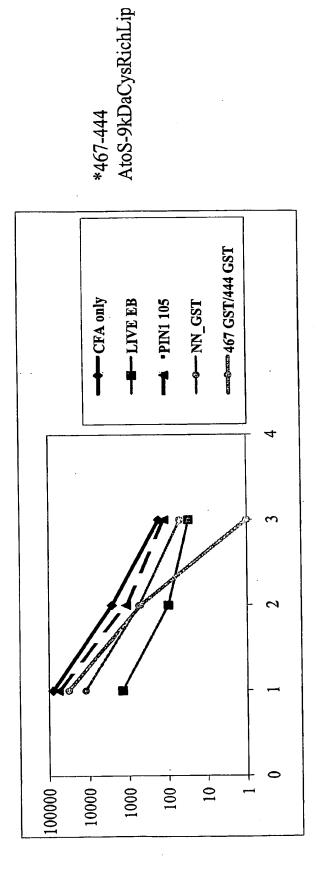
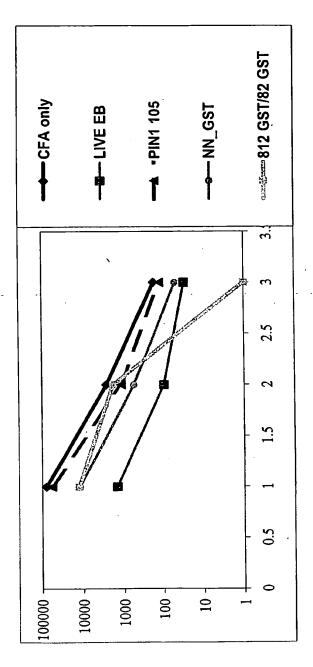


Figure 6



812-082 PmpD-Hyp.prot.

PCT/US2004/020491

Figure 7(a)

		Mean	SD (Standard	%IFU	
Group	Day	IFU/Swab	` !	Reduction	P value
CFA only	7	4046	3200		
	14	1012	902		
	21	0	0		
live EB	7	50	73	99	0.07
	14	53	130	98	0.04
	21	0	0 .		
242+316 his	7	4740	3798	33	0.27
	14	127	178	87	0.02
	21	0	0		

Figure 7(b)

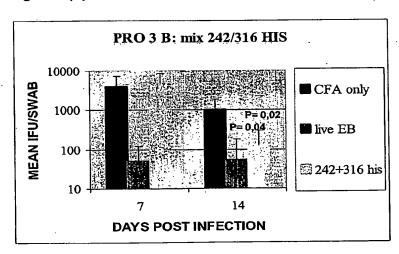


Figure 7(c)

	BAI	B/c MICE				
СТ	ELISA	TITE	R	W.B on	FACS	NEUT
antigen	tot. IgG	IgG1	IgG2a	EBs	K-S	Titer
242	24000	Not Determ	Not Determ	NC	15.5	01:50
316	10200	Not Determ	Not Determ	PC		

 Mean IFU/swab
 Standard Deviation
 %Reduction

 2611
 1631
 99

 3
 8
 99
140 Mix5/AlOHCpG Figure 8(a) A10H/CpG GROUP ive EBs

8 8

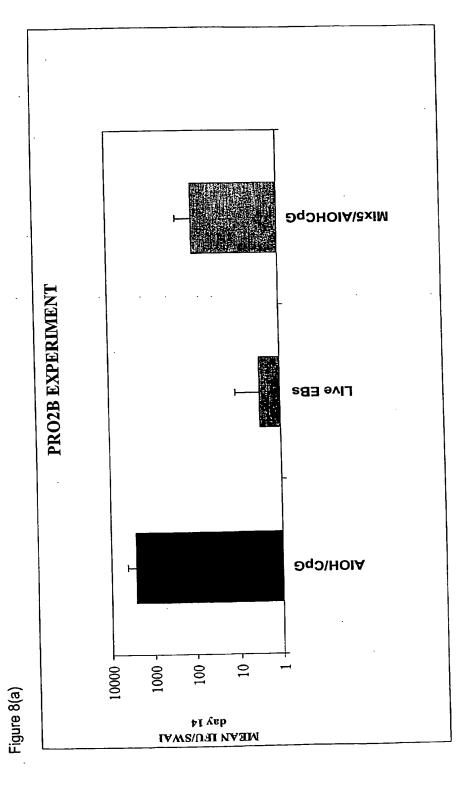


Figure 8(c)

SEROLOGY DATA PRO 2B

EXPERIMENT

PAL	B/Ch	C MICE								W. Carlotte	
10	1,77	ELISA		TITER			WE	LO S	W B on FACS	YCS	
	- \$	tot. IdG	Ĭ	1961	19	IgG2a EBS	iii	35	¥	K-S	-31
	CFA	FA AI+CpG	CFA	CFA AI+CPG CFA AI+CPG CFA AI+CPG CFA AI+CPG	CFA	AI+CpG	CFA ,	AI+CpG	CFA A	1+CpG	
45 HTS	62.0	52.0 123.000	273.000	273.000 384.000 12.000 73.000 P.C. P.C. 32,34	12.000	73.000	P.C.	P.C.	32,34	33,55	
STH 68	37.000	360,000	360.000	360.000 400.000 38.000	38.000	99009			=	=	
396 HTS	84.000	34.000 129.000	203.000	203.000 380.000 53.000 144.000	53.000	144.000			=	=	
398 HTS	61.000	113.000	318.000	318.000 552.000 34.000 117.000	34.000	117.000			=	=	
381 HIS	134.000	134.000 16.000	129.000	129.000 17.000 42.000	42.000	8400			=	=	
										1,1	
P.C.=	partially	partially consistent	(a band o	f the expected	d M.W. is	present tog	ther with	additional	bands of high	(a band of the expected M.W. is present together with additional bands of higher and/of lower M.W.)	wer IM. w .)

Figure 9(a)

REDUCTION OF INFECTION DATA FOR THE 5 ANTIGEN MIX

PRO 4 EXPERIMENT

GROUP	DAYS POST	Mean	SD	%Reduction	P value
	INFECTION	IFU/swab		of infection	
INFECTION	7	10112	5900		
	14	1048	1193		
<u> </u>	21	49	85	-	
Al/CpG	7	11810	10700		
	14	2460	2334		
	21	80	253		
CFA	7	6016	5475		
	14	920	2439		
	21	642	1912		
live EB	7	610	1764	95	0.002
	14	268	609	89	0.001
	21)	
HIS +Al-CpG	7	12903	1067	NO RED.	
	14	4275	2677	NO RED.	
	21	80.	1344	1	
45/89/396/398/381 HIS + Al-CpG	7	1668	1480	86	0.004
	14	55:	909	77	0.02
	21	. 2	5 70	70	0.28

Figure 9(b)

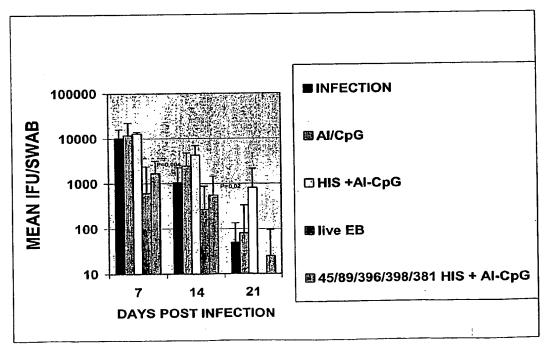


Figure 9(c)

SEROLOGY DATA PRO 4

EXPERIMENT

tot. IgG. IgGI IgG2a EBS: F. 121103 319524 60939 P.C. 75309 268048 58123 P.C. 98131 291254 90791 P.C. 49545 315410 64370 P.C. 12034 23624 2910 P.C.	F		ELISA	TITER		W.B on	FACS	LOEN
45 HIS 121103 319524 60939 P.C. 27.10 89 HIS 75309 268048 58123 P.C. 77.10 396 HIS 98131 291254 90791 P.C. P.C. 398 HIS 49545 315410 64370 P.C. P.C. 381 HIS 12034 23624 2910 P.C.	ntigen	1	1	IgG1	IgG2a	EBS	K-S on Ebs	Titer
75309 268048 58123 98131 291254 90791 49545 315410 64370 12034 23624 2910		45 HIS		319524	60636	P.C.	27.10	1:120
98131 291254 90791 49545 315410 64370 12034 23624 2910		SIH 68	75309	. 268048	58123	P.C.		
49545 315410 64370 12034 23624 2910		396 HIS	98131	291254	90791	P.C.		······································
12034 23624 2910		398 HIS	49545	315410	64370	P.C.		
		381 HIS	12034	23624	2910	P.C.		

P.C.= partially consistent

(a band of the expected M.W. is present together with additional bands of higher and/or lower M.W.)

Figure 10(a)

NEUTRALIZATION DATA FOR THE 5 ANTIGEN MIX

antigen	mean titer		SD
LIVE EB		110	22
mix 5+ Al/CpG		120	36
NN-HIS+ AVCpG		0	<u> </u>
buffer+Al/CpG		0	

Figure 10(b)

